## A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12Q1/68

According to international Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, PAJ, EMBL, WPI Data, EMBASE

Calegory °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 556 504 A (SHIMADZU CORP) 25 August 1993 (1993-08-25) *seq id 11 ; seq id 19 , seq id 18*	25-28
Х	WO 01/94634 A (BIOPOOL INT INC) 13 December 2001 (2001-12-13) *slt1*	25,26
X	WO 02/36827 A (AUSUBEL FREDERICK M; GEN HOSPITAL CORP (US); KUDVA INDIRA (US); CALDE) 10 May 2002 (2002-05-10) *seq id no 20*	25,26
X	JP 2003 164282 A (RAKAN:KK; GIFU UNIV) 10 June 2003 (2003-06-10) *probe seq id 176; probe seq 178 *	25–28

X Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>'A' document defining the general state of the art which is not considered to be of particular relevance</li> <li>'E' earlier document but published on or after the international filling date</li> <li>'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>'O' document referring to an oral disclosure, use, exhibition or other means</li> <li>'P' document published prior to the international filling date but later than the priority date claimed</li> </ul>	<ul> <li>'T' later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention</li> <li>'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>'&amp;' document member of the same patent family</li> </ul>
Date of the actual completion of the international search	Date of mailing of the International search report
11 November 2004	07/12/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk	Authorized officer
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Cornelis, K

Form PCT/ISA/210 (second sheet) (January 2004)

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PC17-5K2004/000494
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
(	WO 03/010332 A (SCHINKINGER MANFRED; VOLLENHOFER-SCHRUMPF SABINE (AT); FRAENZL GERT () 6 February 2003 (2003-02-06) *seq id 7*	25,26
	WO 95/29261 A (UNIV HAWAII) 2 November 1995 (1995-11-02) *seq id 6*	25,26
(	WO 01/48237 A (HOEFT ANDREAS ; STUEBER FRANK (DE)) 5 July 2001 (2001-07-05) *oligonucleotide sknI*	25,26
X	WO 99/63112 A (FRASER MARK S; HUNT WESSON INC (US); ROMICK THOMAS L (US)) 9 December 1999 (1999-12-09) *seq 27*	27,28
X	WO 92/17609 A (HOLMES MICHAEL JOHN ; DYNAL AS (NO)) 15 October 1992 (1992-10-15) *primer 4*	27,28
X	WO 00/61720 A (NERENBERG MICHAEL I ; EDMAN CARL F (US); METHA PRESHANT P (US); NANOGE) 19 October 2000 (2000-10-19) *seq id 45*	27,28
X	DE 101 23 183 A (BECTON DICKINSON CO) 22 November 2001 (2001-11-22) *seq id 36*	27,28
X	WO 02/053771 A (BIOTECON) 11 July 2002 (2002-07-11) *seq id 24,25,39,82*	25-28
X	WO 00/29618 A (UNIVERISTY OF VIRGINIA PATENT FOUNDATION) 25 May 2000 (2000-05-25) *seq id 1*	27,28
Y	RICH CHANTAL ET AL: "Identification of human enterovirulent Escherichia colistrains by multiplex PCR" JOURNAL OF CLINICAL LABORATORY ANALYSIS, vol. 15, no. 2, 2001, pages 100-103, XP008038376 ISSN: 0887-8013 the whole document	1-38
	-/	

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PC170K2004/000494
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATON A W ET AL: "Direct detection and characterization of shiga toxigenic Escherichia coli by multiplex PCR for stx1, stx2, eae, ehxA, and saa" JOURNAL OF CLINICAL MICROBIOLOGY 2002 UNITED STATES, vol. 40, no. 1, 2002, pages 271-274, XP002304663 ISSN: 0095-1137 the whole document	1-38
A	WO 01'46477 A (CONAGRA GROCERY PRODUCTS COMPA) 28 June 2001 (2001-06-28) page 20; figure 4	1-38
A	TOMA C ET AL: "Multiplex PCR assay for identification of human diarrheagenic Escherichia coli" JOURNAL OF CLINICAL MICROBIOLOGY 01 JUN 2003 UNITED STATES, vol. 41, no. 6, 1 June 2003 (2003-06-01), pages 2669-2671, XP002304664 ISSN: 0095-1137 the whole document	1-38
A	LOPEZ-SAUCEDO CATALINA ET AL: "Single multiplex polymerase chain reaction to detect diverse loci associated with diarrheagenic Escherichia coli." EMERGING INFECTIOUS DISEASES, vol. 9, no. 1, January 2003 (2003-01), pages 127-131, XP002305114 ISSN: 1080-6040 cited in the application the whole document	1-38
A	PASS M A ET AL: "Multiplex PCRs for identification of Escherichia coli virulence genes" JOURNAL OF CLINICAL MICROBIOLOGY, vol. 38, no. 5, May 2000 (2000-05), pages 2001-2004, XP002305115 ISSN: 0095-1137 cited in the application the whole document	1-39
	10 (continuation of second sheet) (January 2004)	

Internatio	nal Application No
PCT D	K2004/000494

	Patent document	sument Day In				PCI7DK2	2004/000494	
cite	ed in search report		Publication date		Patent family member(s)		Publication date	
Ef	P 0556504	Α	25-08-1993	JP JP JP DE EP EP US US JP	2067556 5227999 7102158 69231961 69231961 1085099 1085100 1085101 0556504 5516898 5525718 5468852 2067558	A B D1 T2 A2 A1 A2 A2 A	10-07-1996 07-09-1993 08-11-1995 30-08-2001 04-04-2002 21-03-2001 21-03-2001 25-08-1993 14-05-1996 11-06-1996 21-11-1995	
 WC	 0 0194634		 13-12-2001	JP JP	5317098 7102159	A B	10-07-1996 03-12-1993 08-11-1995	
	· · · · · · · · · · · · · · · · · · ·			US AU CA EP JP WO US	6605451 6532701 2410281 1352087 2004511215 0194634 2003224437	A A1 A2 T A2	12-08-2003 17-12-2001 13-12-2001 15-10-2003 15-04-2004 13-12-2001 04-12-2003	
WO	0236827	Α	10-05-2002	AU EP US WO US	2705502 1337666 2002078641 0236827 2004009577	A1 A1 A1	15-05-2002 27-08-2003 27-06-2002 10-05-2002 15-01-2004	
JP	2003164282	Α	10-06-2003	NONE				
WO	03010332	A 	06-02-2003	AT WO AT EP	411832 03010332 11722001 1409742	A2 A	25-06-2004 06-02-2003 15-11-2003 21-04-2004	
WO	9529261	A	02-11-1995	US WO US	5705332 / 9529261 / 5627275 /	A1	06-01-1998 02-11-1995 06-05-1997	
WO	0148237	A	05-07-2001	DE AU WO DE EP	10027113 / 3360101 / 0148237 / 10084146 / 1266028 /	A A2 D2	27-09-2001 09-07-2001 05-07-2001 16-01-2003 18-12-2002	
WO	9963112	A	09-12-1999	AU EP WO US	4001299 / 1080224 / 9963112 / 6468743 E	A2 A2	20-12-1999 07-03-2001 09-12-1999 22-10-2002	
	9217609	Α	15-10-1992	AU WO	1439392 # 9217609 #	 A A1	02-11-1992 15-10-1992	
	0061720 (patent family annex) (Jan	Α	19-10-2000	US WO WO	6238868 E 0061818 A 0061720 A	<b>\1</b>	29-05-2001 19-10-2000 19-10-2000	

page 1 of 2

				1 1 1 7 5 1 2 2 2 3 1				
Patent document cited in search report			Publication date	Patent family member(s)			Publication date	
WO 0061	720 	A 		US	2002068334	A1	06-06-2002	
DE 1012	3183	A 	22-11-2001	DE FR	10123183 2809105		22-11-2001 23-11-2001	
WO 0205	3771	A 	11-07-2002	DE CA WO EP JP US	10100493 2434120 02053771 1366189 2004519225 2004110251	0 A1 1 A2 9 A2 5 T	01-08-2002 11-07-2002 11-07-2002 03-12-2003 02-07-2004 10-06-2004	
WO 0029	618 	A 	25-05-2000	AU WO	1716500 0029618		05-06-2000 25-05-2000	
WO 0146	477	А	28-06-2001	AU CA EP JP WO US	4711501 2391314 1242631 2003517843 0146477 2004137486	4 A1 1 A1 3 T 7 A1	03-07-2001 28-06-2001 25-09-2002 03-06-2003 28-06-2001 15-07-2004	